查询RR2PI110AC供应商

Plug In Power Relay

RR

General purpose 10 amp Plug In Power Relay, available in 2PCO and 3PCO

- Large selection of models with different operating options
- Arc barriers prevent flashover between contacts
- Manual operator for circuit testing – colour coded for AC/DC identification
- Mechanical flag indicator showing armature operation
- Gold flashed contacts
- UL, CSA and VDE approvals

Options and ordering codes

RR — General purpose power relay

2 — 2 pole changeover (2); 3 pole changeover (3)

PI

- I — Flag indicator
- X — No flag indicator
- R — LED indication
- N — Flag and LED
- P — Manual operator
- X — No manual operator

230VAC — For coil voltages see table

Specifications

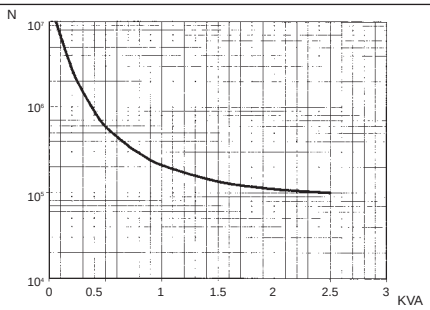
	Resistive	Inductive
Rated load	10A @ 250V AC/30V DC	7A @ 250V AC/30V DC
Rated current[1]	10A	
Maximum switching voltage	250V AC/125V DC	
Maximum switching capacity	2500VA, 300W @ 30V DC, 50W @ 125V DC	1750VA, 210W @ 30V DC, 35W @ 125V DC
Minimum switching capacity	4V 25mA, 100V 1mA	
Contact resistance (initial)	30mΩ[2] 100mΩ[3]	
Operate time	20 m sec max	
Release time	20 m sec max	
Maximum operate frequency	1800 ops/hr at maximum rated load	
Insulation class	Group B250 (according to DIN VDE0110)	
Dielectric strength (Coil – Contact) (Between adjacent Contacts) (Contact Gap)	2500V AC 50/60 Hz for 1 minute 2000V AC 50/60 Hz for 1 minute 1000V AC 50/60 Hz for 1 minute	
Ambient operating temperatures[1]	-40 to + 70˚C	
Mechanical service life	20 million ops minimum	
Electrical service life[1]	100,000 ops at rated load	
Protection degree	IP10	
Contact material	AgCdO/Au 0.2um	
Voltage range	80 - 110%	
Must release voltage	15% AC coil/10% DC coil	
Power consumption	2.5 VA AC 1.35 watts DC	
Coil wire class	F (155˚C)	

[1]To IEC 255-1-00, IEC 255-0-20 [2]IEC 255-7 (Cat.3) [3]IEC 255-7 (Cat.2)

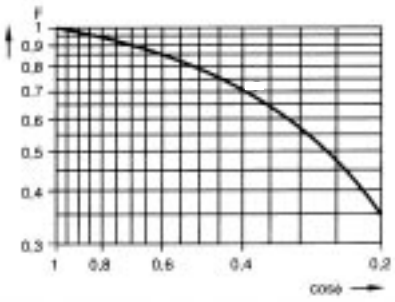
Coil Data

Rated Voltage	A.C. Coils		D.C. Coils	
	Coil Resistance Ohms	Rated Current	Coil Resistance Ohms	Rated Current
12	20	190mA	110	109mA
24	88	95mA	430	56mA
110	2000	20mA	–	–
230	7900	10mA	–	–

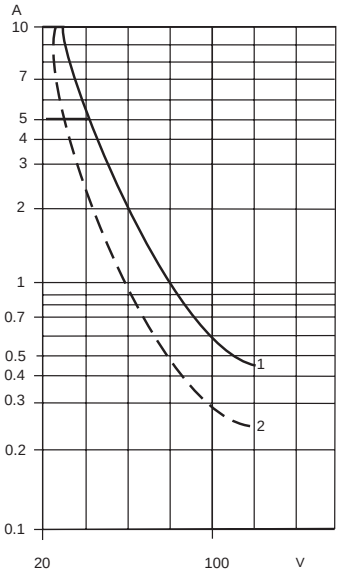
Switching characteristics



Electrical life as a function of rated power for AC 50-60Hz (non-inductive circuit) at 1800 ops/h

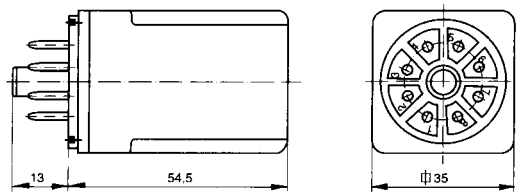


Power reduction factor in relation to cos ø of inductive load

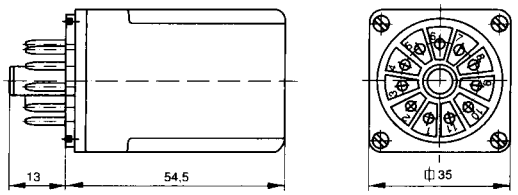


Value of current broken by contact as a function of contact voltage.
Resistive load DC.
1 – resistive load T=0 ms
2 – inductive load T=40 ms.

Dimensions (mm)

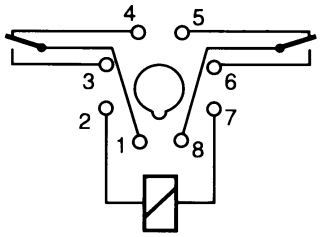


2 C/O

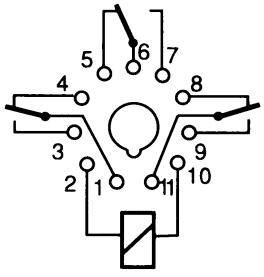


3 C/O

Terminal arrangement



2 C/O



3 C/O